CLAIMS:

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What is claimed is:

A side-entry board mounted blade-receiving electrical connector, comprising:

a dielectric housing having a bottom wall and a blade-receiving receptacle at a side of the housing; and

at least one conductive terminal mounted on the housing and including a contact section exposed within the receptacle for electrically engaging a terminal blade of a complementary mating connecting device inserted into the receptacle generally parallel to a printed circuit board, a mounting section exposed exteriorly of the housing below the bottom wall thereof for mounting the connector on the printed circuit board, and a flex section joining the mounting section to the contact section and performing a dual function of (a) spacing the bottom wall of the housing spaced above the printed circuit board and (b) providing a yielding flexibility between the connector and the board.

- 2. The electrical connector of claim 1 wherein the mounting section of said conductive terminal is a plate-like member for flush mounting on a surface of the printed circuit board.
- 3. The electrical connector of claim 1 wherein said conductive terminal is stamped and formed of sheet metal material.
- 4. The electrical connector of claim 3 wherein the flex section of said conductive terminal comprises a generally right-angled bend in the terminal between the mounting section and the contact section.
- 5. The electrical connector of claim 1 wherein the contact section of said conductive terminal is generally U-shaped in a cross-section generally parallel to the printed circuit board, to define a pair of legs joined by a bight portion, one leg being connected to the mounting section of the terminal, and the other leg forming a contact portion of the terminal which engages the terminal blade of the mating connecting device.

- 6. The electrical connector of claim 5 wherein said one leg of the U-shaped contact section is a plate-like member in abutment with the housing, and the other leg of the U-shaped contact section forms a contact arm with portions free to flex toward and away from the one leg.
- 7. The electrical connector of claim 6 wherein said contact arm has a plurality of flexible spring fingers for engaging the terminal blade of the mating connecting device.
- 8. The electrical connector of claim 5, including latch means on said other leg for latching the conductive terminal to the housing.
- 9. The electrical connector of claim 1 wherein said blade-receiving receptacle is a through passage in the housing extending generally parallel to the printed circuit board for receiving a terminal blade of a mating connecting device in either opposite direction of the through passage.
- 10. The electrical connector of claim 1 wherein the bottom wall of said housing is recessed in an area immediately above the mounting section of the conductive terminal.
- 11. The electrical connector of claim 1 wherein said housing has at least one antioverstress wing projecting outwardly therefrom above the printed circuit board to prevent overflexing of the conductive terminals.
- 12. The electrical connector of claim 1, including a pair of said conductive terminals at opposite sides of the blade-receiving receptacle.
- 13. The electrical connector of claim 1 wherein said contact section has a plurality of flexible spring fingers for engaging the terminal blade of the mating connecting device.

14. A side-entry board mounted blade-receiving electrical connector, comprising: a dielectric housing having a bottom wall and a blade-receiving receptacle at a side of the housing; and

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a pair of conductive terminals mounted on the housing at opposite sides of said bladereceiving receptacle, each terminal being stamped and formed of sheet metal material and
including a contact section having a plurality of flexible spring fingers exposed within the
receptacle for electrically engaging a terminal blade of a complementary mating connecting
device inserted into the receptacle generally parallel to a printed circuit board, a plate-like
mounting section exposed exteriorly of the housing below the bottom wall thereof for flush
mounting the connector on a surface of the printed circuit board, and a flex section formed as a
right-angled bend in the conductive terminal between the plate-like mounting section and the
contact section and performing a dual function of (a) spacing the bottom wall of the housing
above the printed circuit board and (b) providing a yielding flexibility between the connector
and the board.

- 15. The electrical connector of claim 14 wherein the contact section of said conductive terminal is generally U-shaped in a cross-section generally parallel to the printed circuit board, to define a pair of legs joined by a bight portion, one leg being connected to the mounting section of the terminal, and the other leg forming a contact portion of the terminal which engages the terminal blade of the mating connecting device.
- 16. The electrical connector of claim 15 wherein said one leg of the U-shaped contact section is a plate-like member in abutment with the housing, and the other leg of the U-shaped contact section forms a contact arm with portions free to flex toward and away from the one leg.
- 17. The electrical connector of claim 14, including latch means on said other leg for latching the conductive terminal to the housing.
- 18. The electrical connector of claim 14 wherein said blade-receiving receptacle is a through passage in the housing extending generally parallel to the printed circuit board for receiving a terminal blade of a mating connecting device in either opposite direction of the through passage.

- 19. The electrical connector of claim 14 wherein the bottom wall of said housing is recessed in an area immediately above the mounting section of the conductive terminal.
- 20. The electrical connector of claim 14 wherein said housing has at least one antioverstress wing projecting outwardly therefrom above the printed circuit board to prevent overflexing of the conductive terminals.
- 21. A side-entry electrical connector for mounting on a subjacent support structure, comprising:

a dielectric housing having a bottom wall and a terminal-receiving receptacle at a side of the housing; and

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at least one conductive terminal mounted on the housing and including a contact section exposed within the receptacle for electrically engaging a terminal of a complementary mating connecting device inserted into the side receptacle generally parallel to the subjacent structure, a mounting section exposed exteriorly of the housing below the bottom wall thereof for mounting the connector on the subjacent structure, and a flex section joining the mounting section to the contact section and performing a dual function of (a) supporting the bottom wall of the housing spaced above the subjacent structure and (b) providing a yielding flexibility between the connector and the subjacent structure.

- 22. The electrical connector of claim 21 wherein the mounting section of the conductive terminal is a plate-like member.
- 23. The electrical connector of claim 21 wherein said conductive terminal is stamped and formed of sheet metal material.
- 24. The electrical connector of claim 23 wherein the flex section of said conductive terminal comprises a generally right-angled bend in the terminal between the mounting section and the contact section.
- 25. The electrical connector of claim 21 wherein the bottom wall of said housing is recessed in an area immediately above the mounting section of the conductive terminal.

- 26. The electrical connector of claim 21 wherein said housing has at least one antioverstress wing projecting outwardly therefrom above the printed circuit board to prevent overflexing of the conductive terminals.
- 27. The electrical connector of claim 21, including a pair of said conductive terminals at opposite sides of the blade-receiving receptacle.